

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6636847".pri.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 12:53
L2	782	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 12:59
L3	121	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4) and server with central and music	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 13:00
L4	100	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4) and server with central and music and (copy\$right or protection or illegal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:12
L5	0	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4) and server with central and music and (copy\$right or protection or illegal) and malfeasant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:16
L6	88	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4) and server with central and music and (copy\$right or protection or illegal) and (prevent\$4 or denied or error or reproduc\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:19
L7	88	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4) and server with central and music and (copy\$right or protection or illegal) and (prevent\$4 or denied or error or reproduc\$6 or prevent\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:24

EAST Search History

L8	88	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4) and server with central and music and (copy\$right or protection or illegal) and (prevent\$4 or denied or error or reproduc\$6 or prevention or prevented)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:26
L9	82	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4) and server with central and music and (copy\$right or protection or illegal) and (prevent\$4 or denied or error or reproduc\$6 or prevention or prevented) and central with server and (user or access or peer) with (list or table or database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:29
L10	70	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4) and server with central and music and (copy\$right or protection or illegal) and (prevent\$4 or denied or error or reproduc\$6 or prevention or prevented) and central with server and (user or access or peer) with (list or table or database) and software and (instance or presistent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:45
L11	70	((peer\$to\$peer) or (peer) or (PPP)) with (secur\$4 or authori\$6 or permit\$4) with (shar\$4 or access\$4 or download\$4) and server with central and music and (copy\$right or protection or illegal) and (prevent\$4 or denied or error or reproduc\$6 or prevention or prevented) and central with server and (user or access or peer) with (list or table or database) and software and (instance or presistent) and music	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:48

EAST Search History

L12	14	((peer\$to\$peer) or (peer) or (PPP)) with software with (permit\$4 or allow\$4 or grant\$4) and server with central and music and (copy\$right or protection or illegal) and (prevent\$4 or denied or error or reproduc\$6 or prevention or prevented) and central with server and (user or access or peer) with (list or table or database) and software and (instance or presistent) and music	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:49
L13	8	((peer\$to\$peer) or (peer) or (PPP)) with software with (permit\$4 or allow\$4 or grant\$4) and server with central and music and (copy\$right or protection or illegal) and (prevent\$4 or denied or error or reproduc\$6 or prevention or prevented) and central with server and (user or access or peer) with (list or table or database) and software and (instance or presistent) and music and central with (access\$4 or list or table or user\$4 or group)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:49

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L14	46	((peer\$to\$peer) or (peer) or (PPP)) with (player or software or application) with (permit\$4 or allow\$4 or grant\$4) and server with central and music and (copy\$right or protection or illegal) and (prevent\$4 or denied or error or reproduc\$6 or prevention or prevented) and central with server and (user or access or peer) with (list or table or database) and software and (instance or presistent) and music and central with (access\$4 or list or table or user\$4 or group)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 14:56

Set	Items	Description
S1	12168	PEER(N)PEER OR GROKSTER OR NAPSTER OR KAZAA OR MORPHEUS OR EDONKEY OR FILE() (SHARING OR SWAPPING) OR P2P OR GNUTELLA OR - (GRID OR DISTRIBUTED OR UTILITY) ()COMPUTING OR MULTICOMPUTER - OR MULTI()COMPUTER
S2	37777	(PARALLEL OR DISTRIBUTED OR GRID) (1W) (PROCESS??? OR COMPUT? OR RESOURCES) OR CLUSTER? (1W) (COMPUT? OR SUPERCOMPUT?)
S3	3461783	ACCESS OR ACL OR AUTHORI?E? ? OR AUTHORI?ING OR AUTHORI?AT-ION? ? OR ALLOW?? OR ALLOWING OR PERMISSION? ? OR PERMIT OR P-ERMITTED OR PERMITTING OR GRANT?? OR GRANTING
S4	821434	AUTHENTICATE? ? OR AUTHENTICATING OR AUTHENTICATION? ? OR RIGHTS OR PRIVILEGES OR RESTRICT?? OR RESTRICTING OR RESTRICT-ION? ?
S5	4742744	SOFTWARE OR APPLICATION? ? OR PROGRAM? ? OR FIRMWARE OR AG-ENT? ? OR WIZARD? ?
S6	254828	(S3 OR S4) (5N) S5
S7	1085	S6 (30N) (S1 OR S2)
S8	1852075	SHARE? ? OR SHARING OR DOWNLOAD?? OR DOWNLOADING OR UPLOAD-?? OR UPLOADING OR (UP OR DOWN) ()LOAD??? OR INSTALL?? OR INST-ALLING OR INSTALLATION? ? OR COPY OR COPIE? ? OR COPYING OR R-EPRODUCE? ? OR REPRODUCING OR REPRODUCTION? ?
S9	1661095	DUPLICATE? ? OR DUPLICATING OR DUPLICATION? ? OR EXCHANGE? ? OR EXCHANGING OR DISTRIBUTE? ? OR DISTRIBUTING OR DISTRIBUT-ION? ? OR REPLICATE? ? OR REPLICATING OR REPLICA OR REPLICAS
S10	149299	(S3 OR S4) (5N) (S8 OR S9)
S11	11415	S10 (5N) S5
S12	358	S11 (30N) (S1 OR S2)
S13	287	S12 AND IC=G06F
S14	203	S13 AND AY=1963:2001
S15	9	S12 AND IC=G06F-007
S16	3	S15 AND AY=1963:2001
S17	975732	(SECOND OR 2ND OR SECONDARY OR ANOTHER OR OTHER? ? OR DIFF-ERENT) (3W) (DEVICE? ? OR UNIT? ? OR MACHINE? ? OR APPARATUS-?? OR COMPUTER? ? OR PC OR NODE? ? OR CLIENT? ? OR SERVER? ? OR TERMINAL? ? OR SYSTEM? ? OR PEER OR PEERS)
S18	58459	S17 (5N) S5
S19	391	S10 (10N) S18
S20	25	S19 (30N) (S1 OR S2)
S21	25	S20 NOT S16
S22	17	S21 AND AY=1963:2001
S23	17	IDPAT (sorted in duplicate/non-duplicate order)
S24	16	IDPAT (primary/non-duplicate records only)
File 348:EUROPEAN PATENTS 1978-2006/ 200641		
(c) 2006 European Patent Office		
File 349:PCT FULLTEXT 1979-2006/UB=20061012UT=20061005		
(c) 2006 WIPO/Thomson		
File 350:Derwent WPIX 1963-2006/UD=200666		
(c) 2006 The Thomson Corporation		

16/5,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Thomson. All rts. reserv.

00799820 **Image available**

**INTERNET-BASED SHARED FILE SERVICE WITH NATIVE PC CLIENT ACCESS AND
SEMANTICS AND DISTRIBUTED VERSION CONTROL
SERVICE DE FICHIERS PARTAGES BASE SUR INTERNET A SEMANTIQUE ET ACCES CLIENT
PC NATIFS ET CONTROLE DE VERSION REPARTI**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200133383 A1 20010510 (WO 0133383)
Application: WO 2000US30078 20001101 (PCT/WO US0030078)
Priority Application: US 99163008 19991101

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-015/167

International Patent Class (v7): G06F-015/16; G06F-015/177; **G06F-007/00** ;
G06F-012/00; G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 35100

English Abstract

A multi-user file storage service and system enable each user of a pre-subscribed user group to operate an arbitrary client node (h20-h26) at an arbitrary geographic location, to communicate with a remote file server node (h28-h30, h32-h33) via a wide area network (200) and to access the files of the file group via the respective client node in communication with the remote file server node via the wide area network. Illustratively, the integrity of the files at the remote file server node are maintained by controlling each access to each file at the remote file server node so that each access to files at the remote file server is performed, if at all, on a respective portion of each file as most recently updated at the remote file server node. Version control to a particular one of the files of the group can be delegated to a version control node (h31).

French Abstract

L'invention concerne un service et un systeme de stockage de fichiers multi-utilisateur permettant a chaque utilisateur d'un groupe

d'utilisateurs préalablement abonne d'utiliser un noeud client arbitraire (h20-h26) a un emplacement géographique arbitraire pour communiquer avec un noeud serveur de fichiers éloigné (h28-h30, h32-h33) par l'intermédiaire d'un réseau étendu (200) et pour accéder aux fichiers du groupe de fichiers par l'intermédiaire du noeud client respectif en communication avec le noeud serveur de fichiers éloigné par l'intermédiaire du réseau étendu. Ainsi, l'intégrité des fichiers sur le noeud serveur de fichiers éloigné est assurée par le contrôle de chaque accès à chaque fichier sur le noeud serveur de fichiers éloigné de sorte que chaque accès à des fichiers du serveur de fichiers éloigné est exécuté, le cas échéant, sur une partie respective de chaque fichier la plus récemment actualisée sur le noeud serveur de fichiers éloigné. Un contrôle de version sur un fichier particulier du groupe de fichiers peut être délégué à un noeud de contrôle de version (h31).

Legal Status (Type, Date, Text)

Publication 20010510 A1 With international search report.

Publication 20010510 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20011011 Request for preliminary examination prior to end of 19th month from priority date

Correction 20020516 Corrected version of Pamphlet: pages 1-71, description, replaced by new pages 1-71; pages 72-113, claims, replaced by new pages 72-113; pages 1/14-14/14, drawings, replaced by new pages 1/17-17/17; due to late transmittal by the receiving Office

Republication 20020516 A1 With international search report.

...International Patent Class (v7): G06F-007/00

Fulltext Availability:

Claims

Claim

... rights, can actually access a file at one time. The operating system or native file **application** programming interface simply does not **permit** extensive **file sharing**. According to another method of **file sharing**, multiple client nodes are permitted to read information from a file simultaneously. but only...

16/5,K/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0015444055 - Drawing available
WPI ACC NO: 2005-793716/200581
XRPX Acc No: N2005-657418

Resource locking management method for global data repository of distributed computing environment, involves employing local tree for obtaining lock of resource independent of threading model of client application

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: LAIB G D; NOVAES M N; UCEDA-SOSA R A

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6965892	B1	20051115	US 2000584609	A	20000531	200581 B

Priority Applications (no., kind, date): US 2000584609 A 20000531

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6965892	B1	EN	12	6	

Alerting Abstract US B1

NOVELTY - A local tree (500) is employed for obtaining the lock of a resource associated with a server data tree (504) of a global data repository independent of a threading model of a requesting thread of the multi-threaded client application of a distributed computing environment. The local tree has mount points used by the client application to lock the resource through the server data tree.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.system for managing locking of resources of global data repository of distributed computing environment; and
- 2.program storage device storing program of instructions executable by machine for managing locking of resources of global data repository of distributed computing environment.

USE - For management of locking of resources in global data repository of distributed computing environment.

ADVANTAGE - Enables to grant locks independent of threading models by automatically associating thread with lock block by using local trees in accessing data of global repository and enables client application to efficiently access global data repositories of distributed computing environment.

DESCRIPTION OF DRAWINGS - The figure shows the local trees mounted to the global tree.

Title Terms/Index Terms/Additional Words: RESOURCE; LOCK; MANAGEMENT; METHOD; GLOBE; DATA; REPOSITORY; DISTRIBUTE; COMPUTATION; ENVIRONMENT; EMPLOY; LOCAL; TREE; OBTAIN; INDEPENDENT; THREAD; MODEL; CLIENT; APPLY

Class Codes

International Classification (Main): G06F-007/00

US Classification, Issued: 707008000, 707010000, 707201000, 709203000, 709204000, 709217000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H01C2; T01-J05B2B; T01-N02B1A; T01-S03

200581

Alerting Abstract ...lock block by using local trees in accessing data of global repository and enables client application to efficiently access global data repositories of distributed computing environment...

Class Codes

International Classification (Main): G06F-007/00

16/5,K/3 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0013024022 - Drawing available
WPI ACC NO: 2003-102679/
Related WPI Acc No: 2004-542545
XRPX Acc No: N2003-082034

File system resource access control method in computer system, involves generating authorization decision for accessing protected file system object, if attempted access is determined to protected file object

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BURNETT R C

Patent Family (2 patents, 1 countries)

Patent		Application					
Number	Kind	Date	Number	Kind	Date	Update	
US 20020147706	A1	20021010	US 2001826984	A	20010405	200309	B
US 6766314	B2	20040720	US 2001826984	A	20010405	200448	E

Priority Applications (no., kind, date): US 2001826984 A 20010405

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020147706	A1	EN	16	7	

Alerting Abstract US A1

NOVELTY - A file identifier is generated for the protected and controlled access file system object. A database comprising a record of the file identifier, is searched to determine if the attempted access is to a protected file system object. An authorization decision is generated for access to the file system object based on the determination.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. File system object security policy enforcing method;
2. File identifier generation method;
3. Computer program product for file system resource access control;
and
4. Distributed computer system.

USE - For controlling access to file system resource in operating system environment such as UNIX, LINUX, WINDOWS, etc., in distributed computer system (claimed).

ADVANTAGE - The file identifier corresponding to the protected file system object enables efficient and quick searching and access to the file system object.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart illustrating the authorization policy record process.

Title Terms/Index Terms/Additional Words: FILE; SYSTEM; RESOURCE; ACCESS; CONTROL; METHOD; COMPUTER; GENERATE; AUTHORISE; DECIDE; PROTECT; OBJECT; ATTEMPT; DETERMINE

Class Codes

International Classification (Main): G06F-007/00

US Classification, Issued: 707003000, 707002000, 707003000, 707009000, 707010000, 707102000, 713165000, 713167000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B4P; T01-J12C; T01-S03...

Alerting Abstract ...File system object security policy enforcing method; File identifier generation method; Computer program product for file

system resource access control; and Distributed computer system...

Class Codes

International Classification (Main): G06F-007/00

24/5,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01583985

Single authentication for a plurality of services
Authentifizierung zu einer Mehrzahl von Diensten durch eine einzige
Anmeldung

Authentification aupres de plusieurs services par un seul acces

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View,
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INVENTOR:

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Eilers, Bernd, Vogelhuttendeich 80, 21107 Hamburg, (DE)

LEGAL REPRESENTATIVE:

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81925 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1315064 A1 030528 (Basic)

APPLICATION (CC, No, Date): EP 2001127722 011121;

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-001/00

ABSTRACT EP 1315064 A1

Processing system and method for improving the efficiency of user authentication in a computing environment. It is proposed to receive authentication information upon initialisation of a first service by an end user and to generate a security for initialisation of further subsequent services through the same end user without repeated submitted of authentication information.

ABSTRACT WORD COUNT: 55

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 030528 A1 Published application with search report

Assignee: 030806 A1 Transfer of rights to new applicant: SUN
MICROSYSTEMS, INC. (1392733) 901 San Antonio
Road Palo Alto, California 94303 US

Examination: 030917 A1 Date of request for examination: 20030723

Assignee: 040114 A1 Transfer of rights to new applicant: Sun
Microsystems, Inc. (2616592) 4150 Network
Circle Santa Clara, California 95054 US

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200322	2091
SPEC A	(English)	200322	11228
Total word count - document A			13319
Total word count - document B			0
Total word count - documents A + B			13319

...SPECIFICATION or group of application programs allowing a convenient browsing through information or data available in **distributed computing** environments such as the Internet or any other network including local area networks. A browser application generally **allows** to view and **download** data and further to transmit data between **different** data processing **devices**. Further, a browser **application**, appropriately configured or equipped with appropriate amendments or application modules, sometimes termed plug-ins, may...

24/5,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01379018

**TRANSFORMATION OF OBJECTS BETWEEN A COMPUTER PROGRAMMING LANGUAGE AND A
DATA REPRESENTATION LANGUAGE
TRANSFORMATION VON OBJEKTEN ZWISCHEN EINER RECHNERPROGRAMMIERSPRACHE UND
EINER DATEN-DARSTELLUNGSSPRACHE
TRANSFORMATION D'OBJETS ENTRE UN LANGAGE DE PROGRAMMATION ET UN LANGAGE DE
REPRESENTATION DE DONNEES**

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1290547 A2 030312 (Basic)
EP 1290547 B1 040107
WO 2001086427 011115

APPLICATION (CC, No, Date): EP 2001937315 010509; WO 2001US15276 010509

PRIORITY (CC, No, Date): US 202975 P 000509; US 208011 P 000526; US 209430
P 000602; US 209140 P 000602; US 209525 P 000605; US 663563 000915

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

RELATED DIVISIONAL NUMBER(S) - PN (AN):
(EP 2003021805)

INTERNATIONAL PATENT CLASS (V7): G06F-009/00

CITED PATENTS (EP B): WO /17748 A

CITED REFERENCES (EP B):

ALLAIRE J: "The Emerging Distributed Web Part 3/4 and 4/4" , September
1998 (1998-09), pages 1-9, XP002135919

MUELLER-WILKEN S ET AL: "XML and Jini - On Using XML and the JAVA Border
Service Architecture to integrate mobile devices into the JAVA
Intelligent Network Infrastructure" , 29 February 2000 (2000-02-29),
XP002188507

SIMEONOV S: "WDDX: Distributed Data for the Web (URL)" , 7 December 1998
(1998-12-07), pages 1-7, XP002135918

M. JOHNSON: "XML JavaBeans, Part 2" JAVA WORLD, Online! March 1999
(1999-03), pages 1-8, XP002212704 Retrieved from the Internet:

<URL:http://www.javaworld.com/javaworld/jw-03-1999/jw-03-beans p.html>
retrieved on 2002-09-06!;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020109 A2 International application. (Art. 158(1))
Application: 020109 A2 International application entering European
phase
Application: 030312 A2 Published application without search report
Examination: 030312 A2 Date of request for examination: 20021206
Assignee: 030423 A2 Transfer of rights to new applicant: Sun
Microsystems, Inc. (2616592) 4150 Network
Circle Santa Clara, California 95054 US
Change: 030507 A2 Inventor information changed: 20030314
Change: 031126 A2 Application number of divisional application
(Article 76) changed: 20031008
Grant: 040107 B1 Granted patent

Lapse: 040929 B1 Date of lapse of European Patent in a contracting state (Country, date): FI 20040107, SE 20040407,

Lapse: 041006 B1 Date of lapse of European Patent in a contracting state (Country, date): FI 20040107, GR 20040407, SE 20040407,

Lapse: 040929 B1 Date of lapse of European Patent in a contracting state (Country, date): FI 20040107, SE 20040407,

Lapse: 041006 B1 Date of lapse of European Patent in a contracting state (Country, date): FI 20040107, GR 20040407, SE 20040407,

Lapse: 041020 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20040107, FI 20040107, GR 20040407, SE 20040407,

Lapse: 041027 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20040107, CH 20040107, LI 20040107, FI 20040107, GR 20040407, SE 20040407,

Lapse: 041110 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20040107, CH 20040107, LI 20040107, ES 20040418, FI 20040107, GR 20040407, SE 20040407,

Oppn None: 041229 B1 No opposition filed: 20041008

Lapse: 050105 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20040107, BE 20040107, CH 20040107, LI 20040107, ES 20040418, FI 20040107, GR 20040407, SE 20040407,

Lapse: 050112 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20040107, BE 20040107, CH 20040107, LI 20040107, DK 20040407, ES 20040418, FI 20040107, GR 20040407, SE 20040407,

Lapse: 050316 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20040107, BE 20040107, CH 20040107, LI 20040107, DK 20040407, ES 20040418, FI 20040107, GR 20040407, MC 20040531, SE 20040407,

Lapse: 050608 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20040107, BE 20040107, CH 20040107, LI 20040107, DK 20040407, ES 20040418, FI 20040107, GR 20040407, LU 20040509, MC 20040531, SE 20040407,

Lapse: 050615 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20040107, BE 20040107, CH 20040107, LI 20040107, DK 20040407, ES 20040418, FI 20040107, GR 20040407, IE 20040510, LU 20040509, MC 20040531, SE 20040407,

Change: 060322 B1 Title of invention (German) changed: 20060322

Change: 060322 B1 Title of invention (English) changed: 20060322

Change: 060322 B1 Title of invention (French) changed: 20060322

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200402	2173
CLAIMS B	(German)	200402	2133
CLAIMS B	(French)	200402	2551
SPEC B	(English)	200402	66522
Total word count - document A			0

Total word count - document B 73379
Total word count - documents A + B 73379

...SPECIFICATION the network, may provide some details about its capabilities, and may immediately become accessible to **other devices** on the network. Jini allows for **distributed computing** where the capabilities of the various devices are shared on a network. The Jini technology...

24/5,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00885990

Quorum mechanism in a two-node distributed computer system
Quorummechanismus in einem verteilten Zweiknotenrechnersystem
Mecanisme de quorum dans un systeme informatique reparti a deux noeuds

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 810526 A1 971203 (Basic)
EP 810526 B1 021002

APPLICATION (CC, No, Date): EP 97303680 970602;

PRIORITY (CC, No, Date): US 656386 960531

DESIGNATED STATES: DE; FR; GB; NL; SE

INTERNATIONAL PATENT CLASS (V7): G06F-011/14

CITED PATENTS (EP B): EP 33915 A; EP 537899 A; EP 595453 A

ABSTRACT EP 810526 A1

Each node of a failing distributed computer system, e.g., as a result of a split-brain failure, races to achieve a quorum by successfully reserving two shared storage devices which are designated quorum controllers. During normal operation of the distributed computer system, each of the quorum controllers is associated with and reserved by a respective node. During the race for quorum in response to a detected failure of the distributed computer system, each node which has not failed forcibly reserves the quorum controller which is associated with the other node. If node simultaneously holds reservations for both quorum controllers, that node has acquired a quorum. The forcible reservation of a shared storage device does not fail even if another node holds a valid reservation to the same storage device. Accordingly, a failed node which does not relinquish a reservation to the node's quorum controller cannot prevent another node from acquiring a quorum. Prior to forcibly reserving the quorum controller of another node, each node verifies that it continues to hold a reservation of the node's own associated quorum controller. If a node no longer holds a reservation of the node's own associated quorum controller, that node has lost the race for quorum since another node has already forcibly reserved the former node's associated quorum controller. Thus, quorum can be efficiently and effectively determined by independent nodes of a failing distributed computer system notwithstanding the failure of a failing node to relinquish shared storage device reservations held by the failing node.

ABSTRACT WORD COUNT: 249

NOTE:

Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 001213 A1 Date of dispatch of the first examination
report: 20001027

Application: 971203 A1 Published application (A1with Search Report
;A2without Search Report)

Oppn None: 030924 B1 No opposition filed: 20030703

Grant: 021002 B1 Granted patent

Examination: 980729 A1 Date of filing of request for examination:

980529

Change: 980812 A1 Designated Contracting States (change)
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199711W4	2941
CLAIMS B	(English)	200240	1649
CLAIMS B	(German)	200240	1480
CLAIMS B	(French)	200240	1817
SPEC A	(English)	199711W4	5824
SPEC B	(English)	200240	5854
Total word count - document A			8767
Total word count - document B			10800
Total word count - documents A + B			19567

...CLAIMS fault handler to specify that the node of the fault handler does not have exclusive **access** to the **shared** resources if the fault handling module fails in reserving the **second** tie-breaking **device**

12. The computer **program** product of Claim 11 wherein the second tie-breaking device is one of the preselected shared devices.
13. An apparatus for recovering from a failure in a **distributed computer** system (100) which includes two nodes (100A, 100B) with access to shared resources (112A-D...

24/5,K/10 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00922485 **Image available**

METHOD AND SYSTEM FOR INTERNET CONNECTION

PROCEDE ET SYSTEME DESTINES A UNE CONNEXION INTERNET

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200256566 A1 20020718 (WO 0256566)

Application: WO 2002CA27 20020115 (PCT/WO CA0200027)

Priority Application: CA 2331046 20010115

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): H04L-029/08

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14463

English Abstract

A system and method for managing communications between a client and a content provider communicating over a distributed network environment, such as the internet. The method commences with receipt of a service response from the content provider. The service response is then modified to provide added functionality, such as tracking information or the opening of a communication channel with third party such as a customer service representative, and this modified response is transmitted to the client. The method can also include load balancing between a plurality of servers of the content provider. Generally, the service response is in reply to a previous service request from the client. If so, the service request is logged, usually by means of caching a TCP header of the service request, prior to being transmitted or routed to the content provider. Service request are detected by monitoring the distributed network environment to intercept message addressed to the content provider. The content of the service request can be used to determine the routing of the service request.

French Abstract

L'invention concerne un systeme et un procede permettant de gerer des communications entre un client et un fournisseur de contenus communiquant dans un environnement de reseau distribue, tel que l'Internet. Le procede consiste, dans un premier temps, a recevoir une reponse relative a un service provenant du fournisseur de contenus. Cette reponse est ensuite modifiee de maniere a presenter une fonctionnalite supplementaire, telle que des informations de suivi ou l'ouverture d'un canal de communication avec une troisieme partie, telle qu'un representant du service clientele, et transmise au client. Le procede peut egalement comprendre un equilibrage de charge entre une pluralite de serveurs du fournisseur de contenus. De maniere generale, la reponse relative a un service repond a une requete de service precedante emanant du client. Si tel est le cas, la requete de service est enregistree, habituellement par mise en memoire cache de l'en-tete TCP de la requete de service avant la transmission ou le routage vers fournisseur de contenus. Des requetes de service sont detectees par surveillance de l'environnement de reseau distribue aux fins d'interception de message adresse au fournisseur de contenus. Le contenu de la requete de service peut etre mis en oeuvre afin de determiner le routage de la requete de service.

Legal Status (Type, Date, Text)

Publication 20020718 A1 With international search report.

Publication 20020718 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description

Detailed Description

... are generally composed of networked computers, or a cluster of computers, operating server software to **allow** the **sharing** of files with **other computers** on the network. The **software** system for such networked computers further includes a network-aware OS and a **file sharing** server designed to fill requests for network **file sharing**. The client 100 can be any conventional computer or WO 02/056566 PCT/CA02/00027...

24/5,K/11 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00876909 **Image available**

**METHOD AND APPARATUS FOR AUTHENTICATION AND PAYMENT FOR DEVICES
PARTICIPATING IN JINI COMMUNITIES**

**PROCEDE ET DISPOSITIF D'AUTHENTIFICATION ET DE PAIEMENT POUR DISPOSITIFS
FAISANT PARTIE DES COMMUNAUTES JINI**

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

HECKER Gary A (et al) (agent), The Hecker Law Group, Suite 2300, 1925
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200211090 A2-A3 20020207 (WO 0211090)

Application: WO 2001US21446 20010706 (PCT/WO US0121446)

Priority Application: US 2000627848 20000728

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G07F-019/00

International Patent Class (v7): H04L-029/06; G07F-007/10; G07F-017/16

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6784

English Abstract

Architectures that enable different types of security devices to operate interchangeably in very large network environments for authentication and metered access to services are described. The system relies on a lease-based access to the network services. The leasing model supports a smart card type payment for services allowing for payments to be automatically forwarded from the smart card type device to the service whenever a service is leased. To lease a service, the requesting service must first be authenticated using devices like cellular phones, smart cards, Personal Data Assistants, or similar devices that have processing and memory capabilities and in some instances, wireless communication capabilities. Services may enter or exit the environment at will. Devices and services in this environment have public certificates that are used for authentication. Services may customize access to its products to make them available only to desired services.

French Abstract

L'invention concerne des architectures permettant a differents types de dispositifs de securite de fonctionner de maniere interchangeable dans des environnements de reseaux tres etendus pour l'authentification et l'accès mesuré a des services. Le système repose sur un accès loué aux services réseau. Le modèle de location fonctionne selon un système de paiement de services par carte à puce, ce qui permet le renvoi

automatique des paiements depuis le dispositif de type carte a puce vers le service, des lors qu'un service est loue. Pour louer un service, le service requerant doit d'abord etre authentifie a l'aide de dispositifs, tels que des telephones cellulaires, des cartes a puce, des assistants numeriques personnels, ou d'autres dispositifs similaires pourvus de capacites de traitement et de memoire, et dans certains cas, de capacites de communication sans fil. Les services peuvent entrer ou sortir de l'environnement a volonte. Les dispositifs et les services dans cet environnement comprennent des certificats publics qui sont utilises a des fins d'authentification. Les services peuvent personnaliser l'acces a leurs produits de maniere a les rendre disponibles aux services souhaitees seulement.

Legal Status (Type, Date, Text)

Publication 20020207 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20031113 Late publication of international search report

Republication 20031113 A3 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... to a network of machines. The Java application environment provides a good computing platform for **distributed computing** because both code and data can move from machine to machine. The environment has built-in security that **allows** the confidence to run code **downloaded** from **another machine**.

Strong typing in the Java **application** environment enables identifying the class of an object to be run on a virtual machine..

24/5,K/15 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00456834 **Image available**

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY
COMMUNICATION**

**SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR
RESEAU COMMUTE**

Patent Applicant/Assignee:

MCI WORLDCOM INC,

Inventor(s):

ZEY David A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9847298 A2 19981022

Application: WO 98US7927 19980415 (PCT/WO US9807927)

Priority Application: US 97835789 19970415; US 97834320 19970415

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class (v7): H04M-003/42

International Patent Class (v7): H04M-007/00; H04Q-003/00; H04M-003/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 156638

English Abstract

A hybrid telecommunication system includes a switched network which transfers information across the Internet to provide multi-routed and multidimensional callback processing. The hybrid network includes one or more switched networks coupled to one or more packet transmission networks, and a call router coupled to the switched communication network and the packet transmission network to route information to the appropriate switched telephony device or Internet device address. A computer with an attached display communicates with the packet transmission network. The computer is used to initiate remote management of the hybrid network, including tests of the hybrid network. The tests include circuit analysis such as selecting signaling states which could be loop start, ground start, or detecting signals such as dual tone multifrequency, multifrequency or dialpulse. The hybrid network includes support for an operator to monitor the management of the hybrid network, and an expert system to regulate the Quality of Service of the hybrid telecommunication system.

French Abstract

La presente invention se rapporte a un systeme de telecommunications hybride comprenant un reseau commute qui transmet les informations via Internet pour permettre un traitement de rappel multidimensionnel a acheminements multiples. Ce systeme hybride comprend un ou plusieurs reseaux commutes couples a un ou a plusieurs reseaux de transmission par paquets, un dispositif d'acheminement d'appels couple au reseau commute, et un reseau de paquets acheminant les informations a l'adresse du dispositif telephonique commute ou du dispositif Internet. Un ordinateur equipe d'un afficheur communique avec le reseau de paquets. L'ordinateur assure le declenchement de la telegestion du reseau hybride ainsi que des tests du reseau hybride. Ces tests comprennent l'analyse du circuit et notamment la selection des etats de signalisation ainsi que le demarrage sur court-circuit ou sur prise de terre, mais aussi la detection de

signaux tels que les multifrequences bi-tons, les multifrequences ou les impulsions. Le reseau hybride assure une assistance operateur permettant de surveiller la gestion du reseau hybride, un systeme expert assurant le controle qualite de service (QOF) du systeme de telecommunications hybride.

Fulltext Availability:
Detailed Description

Detailed Description

... The platform components are linked by one or more network connections which include an internal **distributed processing** infrastructure.

The ISP 2100 Functional Components are.

1 5 *Inbound and Outbound Gateways 2126 - **allows access** to services provided by other providers, and **allows other** providers to access the provider's services.

*Marketable Service Gateway 2 128- interface to a...

24/5,K/16 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00412367 **Image available**

**METHOD AND SYSTEM FOR ALLOCATING COSTS IN A DISTRIBUTED COMPUTING NETWORK
PROCEDE ET SYSTEME DE REPARTITION DES COUTS DANS UN RESEAU INFORMATIQUE
DECENTRALISE**

Patent Applicant/Assignee:

BELLSOUTH CORPORATION,

Inventor(s):

RODEN Barbara J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9802828 A2 19980122

Application: WO 97US12171 19970711 (PCT/WO US9712171)

Priority Application: US 96679965 19960715

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class (v7): H04M-015/00

International Patent Class (v7): H04M-03:00; H04L-12:14

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 12733

English Abstract

A method and system for providing an end-user with Internet access and allocating a cost associated with that access among the end-user and Internet sites (18) accessed by the end-user. A supervisory program module (58), such as a "JAVA" applet, resides on an originating station (24), such as a personal computer, operated by the end-user. The supervisory program module (58) may be activated by transmitting the supervisory program module to the originating station (24) from an Internet point of presence (22) operated by a local access provider. Alternatively, a trigger may be transmitted from the point of presence (22) to the originating station (24) to activate a supervisory program module (58) already residing on the originating station (24). The supervisory program module (58) monitors the duration of connections with specific Internet sites, and transmits messages to the point of presence (22) indicating the duration of these connections. The local access provider uses the information received in these messages to allocate a cost associated with the access, such as the cost associated with using a telephone network (30), among the end-user and Internet sites accessed by the end-user. Unique keys and time stamps are used as security measures. Unique keys are random identification numbers or codes generated by the point of presence (22). Time stamps are clock readings generated by the originating station, the point of presence, or other network components, are used as security measures.

French Abstract

L'invention concerne un procede et un systeme permettant l'accès d'un utilisateur final à Internet et la répartition de coûts découlant de cet accès entre l'utilisateur final et les sites Internet (18) auxquels l'utilisateur final a accès. Un module de programme superviseur (58) tel qu'une miniapplication "JAVA", se trouve dans une station d'origine (24), tel qu'un ordinateur personnel, utilisé par l'utilisateur final. On peut activer le module de programme superviseur (58) en le transmettant à la station d'origine (24) à partir d'un point de présence (22) Internet

exploite par un fournisseur d'accès total. Dans un autre cas de figure, on peut transmettre un déclencheur depuis le point de présence (22) à la station d'origine (24) pour activer un module de programme de superviseur (58) se trouvant déjà dans la station d'origine (24). Le module de programme de superviseur (58) contrôle la durée des connexions avec des sites Internet spécifiques, et transmet des messages au point de présence (22) en indiquant la durée de ces connexions. Le fournisseur d'accès total utilise l'information fournie par ces messages pour répartir les coûts découlant de l'accès, tel que le coût découlant de l'utilisation d'un réseau téléphonique (30), entre l'utilisateur final et les sites Internet auxquels l'utilisateur final a accès. Des clés uniques ainsi que des horodateurs sont utilisés comme mesures de sécurité. Les clés uniques sont constituées par des numéros d'identification ou des codes aléatoires générés par le point de présence (22). Les horodateurs sont des indications d'horloge générées par la station d'origine, le point de présence, ou d'autres composants du réseau, et sont utilisés comme mesures de sécurité.

Fulltext Availability:
Claims

Claim

... to provide the access
further comprises a second connection between the originating station and a **second** network site.
. A **computer** -readable medium storing a supervisory **program** module operable for monitoring **access** to a **distributed computing** network, the supervisory program module comprising instructions which, when executed by an originating station coupled to the **distributed computing** network, perform the steps of:
displaying a directory comprising an item corresponding to a monitored...

Set	Items	Description
S1	474	PEER(N)PEER OR GROKSTER OR NAPSTER OR KAZAA OR MORPHEUS OR EDONKEY OR FILE() (SHARING OR SWAPPING) OR P2P OR GNUTELLA OR - (GRID OR DISTRIBUTED OR UTILITY) ()COMPUTING OR MULTICOMPUTER - OR MULTI()COMPUTER
S2	5825	(PARALLEL OR DISTRIBUTED OR GRID) (1W) (PROCESS??? OR COMPUT? OR RESOURCES) OR CLUSTER?(1W) (COMPUT? OR SUPERCOMPUT?)
S3	483698	ACCESS OR ACL OR AUTHORI?E? ? OR AUTHORI?ING OR AUTHORI?AT-ION? ? OR ALLOW?? OR ALLOWING OR PERMISSION? ? OR PERMIT OR P-ERMITTED OR PERMITTING OR GRANT?? OR GRANTING OR AUTHENTICATE? ? OR AUTHENTICATING OR AUTHENTICATION? ?
S4	1405357	RIGHTS OR PRIVILEGES OR RESTRICT?? OR RESTRICTING OR RESTR-CTION? ? OR PREVENT?? OR PREVENTING OR PREVENTION OR DISALLO-W?? OR DISALLOWING OR UNAUTHORI?ED? ? OR PROHIBIT?? OR PROHI-BITING OR ILLEGAL? OR LOCK? ? OR LOCKED OR LOCKING
S5	942155	SOFTWARE OR APPLICATION? ? OR PROGRAM? ? OR FIRMWARE OR AG-ENT? ? OR WIZARD? ? OR API
S6	727028	SHARE? ? OR SHARING OR DOWNLOAD?? OR DOWNLOADING OR UPLOAD-?? OR UPLOADING OR (UP OR DOWN) ()LOAD??? OR INSTALL?? OR INST-ALLING OR INSTALLATION? ? OR COPY OR COPIE? ? OR COPYING OR R-EPRODUCE? ? OR REPRODUCING OR REPRODUCTION? ?
S7	452217	DUPLICATE? ? OR DUPLICATING OR DUPLICATION? ? OR EXCHANGE? ? OR EXCHANGING OR DISTRIBUTE? ? OR DISTRIBUTING OR DISTRIBUT-ION? ? OR REPLICATE? ? OR REPLICATING OR REPLICA OR REPLICAS
S8	107594	(SECOND OR 2ND OR SECONDARY OR ANOTHER OR OTHER? ? OR DIFF-ERENT) (3W) (DEVICE? ? OR UNIT? ? OR MACHINE? ? OR APPARATUS-?? OR COMPUTER? ? OR PC OR NODE? ? OR CLIENT? ? OR SERVER? ? OR TERMINAL? ? OR SYSTEM? ? OR PEER OR PEERS)
S9	26542	(S3 OR S4) (5N) S5
S10	80	S9 AND (S1 OR S2)
S11	61	S10 AND PY=1976:2001
S12	41994	(S3 OR S4) (5N) (S6 OR S7)
S13	1020	S12 (5N) S5
S14	8	S13 AND (S1 OR S2)
S15	4	S14 AND PY=1976:2001
S16	4	IDPAT (sorted in duplicate/non-duplicate order)
S17	4	IDPAT (primary/non-duplicate records only)
S18	61	IDPAT S11 (sorted in duplicate/non-duplicate order)
S19	61	IDPAT S11 (primary/non-duplicate records only)

File 347:JAPIO Dec 1976-2006/Jan(Updated 061009)

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05575546 **Image available**

NETWORK DISTRIBUTION METHOD FOR SOFTWARE

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PUBLISHED: July 22, 1997 (19970722)
INVENTOR(s): HIDA MASAHIRO
APPLICANT(s): HUDSON SOFT CO LTD [488378] (A Japanese Company or
 Corporation), JP (Japan)
APPL. NO.: 08-020709 [JP 9620709]
FILED: January 12, 1996 (19960112)
INTL CLASS: [6] G06F-009/06; A63F-009/22; G06F-001/00; G06F-012/14;
 G06F-013/00
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation); 45.2
 (INFORMATION PROCESSING -- Memory Units); 45.9 (INFORMATION
 PROCESSING -- Other)

ABSTRACT

PROBLEM TO BE SOLVED: To reduce a communication tariff and to distribute software definite in use time by **distributing** a use right code **permitting** the use of software in a storage medium for prescribed time with computer communication in accordance with the request of a user purchasing the storage medium already registered as software.

SOLUTION: The use right code for permitting the use of software in the storage medium for prescribed time is **distributed** with **computer** communication in accordance with the request of the user purchasing the storage medium in which software is previously recorded in a protected state where it cannot be operated without the use right code and whose software is already registered. The use time of software is managed on the computer of the user. In a drawing, a loop 13 can be realized even if a loop 12 is not terminated and use time can be prolonged when a continuous use procedure is followed in a use tariff paying processing 2 (continuous use in this case) even in a use period.

17/5/3

DIALOG(R)File 347:JAPIO

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04360598 **Image available**
MULTIPROCESSOR

PUB. NO.: 06-004498 [JP 6004498 A]
PUBLISHED: January 14, 1994 (19940114)
INVENTOR(s): NAGASAKA FUMIO
APPLICANT(s): SEIKO EPSON CORP [000236] (A Japanese Company or Corporation)
 , JP (Japan)
APPL. NO.: 04-162882 [JP 92162882]
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INTL CLASS: [5] G06F-015/16; G06F-009/45
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.1
 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &
 Microprocessors)
JOURNAL: Section: P, Section No. 1724, Vol. 18, No. 200, Pg. 86, April
 07, 1994 (19940407)

ABSTRACT

PURPOSE: To execute **parallel processing** without recompiling object codes even when the hardware constitution of a **parallel processing** system is changed by providing a mechanism for exclusively controlling access to variables shared at the time of parallel execution and dynamically performing the processing block assignment of the parallel execution realized by an interpreter for executing an intermediate language outputted by a compiler.

CONSTITUTION: This multiprocessor is provided with a compiling mechanism 102 having a means for analyzing **program** description for generating the **access** at least to **shared** memory source assignment and the means for analyzing the description for a program processing unit capable of **parallel processing** and performing processor assignment. Then, interpreting mechanisms 111 and 112 for executing the intermediate language outputted by the compiling mechanism 102 are provided to dynamically perform the processing block assignment of the parallel execution realized by the interpreting mechanisms 111 and 112.

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S6	11382692	SOFTWARE OR APPLICATION? ? OR PROGRAM? ? OR FIRMWARE OR AG-ENT? ? OR WIZARD? ? OR API
S7	3317896	SHARE? ? OR SHARING OR DOWNLOAD?? OR DOWNLOADING OR UPLOAD-?? OR UPLOADING OR (UP OR DOWN) ()LOAD??? OR INSTALL?? OR INST-ALLING OR INSTALLATION? ? OR COPY OR COPIE? ? OR COPYING OR R-EPRODUCE? ? OR REPRODUCING OR REPRODUCTION? ?
S8	6622112	DUPLICATE? ? OR DUPLICATING OR DUPLICATION? ? OR EXCHANGE? ? OR EXCHANGING OR DISTRIBUTE? ? OR DISTRIBUTING OR DISTRIBUT-ION? ? OR REPLICATE? ? OR REPLICATING OR REPIICA OR REPLICAS
S9	420308	(SECOND OR 2ND OR SECONDARY OR ANOTHER OR OTHER? ? OR DIFF-ERENT) (3W) (DEVICE? ? OR UNIT? ? OR MACHINE? ? OR APPARATUS-?? OR COMPUTER? ? OR PC OR NODE? ? OR CLIENT? ? OR SERVER? ? OR TERMINAL? ? OR SYSTEM? ? OR PEER OR PEERS)
S10	19869	S9 (5N) S6
S11	472854	(S4 OR S5) (5N) (S7 OR S8)
S12	53	S11 (5N) S10
S13	98	S11 (10N) S10
S14	6	S13 AND (S1 OR S2)
S15	4	S14 NOT PY>2001
S16	4	RD (unique items)
S17	14530	S11 (5N) S6
S18	588	S17 AND (S1 OR S2)
S19	1528	(S13 OR S17) AND S3
S20	24	S13 AND S3
S21	20	S20 NOT PY>2001
S22	16	S21 NOT S16
S23	10	RD (unique items)
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**COMMUNICATION STRUCTURES FOR THE SUPPORT OF PROTOCOL-INDEPENDENT
DISTRIBUTED APPLICATIONS**

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Supervisor: LAWRENCE OSBORNE
Source: VOLUME 29/04 of MASTERS ABSTRACTS.
PAGE 678. 94 PAGES
Descriptors: COMPUTER SCIENCE
Descriptor Codes: 0984

With the arrival of graphical user interfaces and the need for interactive computing the demand for data sharing and cooperative processing has increased dramatically. Distinctions between local and remote computers are no longer tolerable. This has led to the development of **distributed processing** systems across network. Thus, **distributed applications** which provide common access to **different computers** become important. **Software** which supports consistent access to the

network interface is an important component of building distributed applications. This research proposes one possible approach to the design and implementation of network interface software.

Because computer communication technology improves every day, a network interface must be able to adapt to these improvements. This research suggests that multiplexing and modularity are two important characteristics of network interface software. The layered structure and the client/server models are used to build a network interface.